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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	4031/1
First Inventor or Application Identifier	Kevin Remington Joseph Bartholomew Donovan
Title	UNIVERSAL INSTANT MESSAGING SYSTEM FOR THE INTERNET
Express Mail Label No.	EL254932646US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
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- ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
- ☒ Specification (Total Pages   
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets   
1
- Oath or Declaration (Total Pages   
1
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
    - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
- ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Copy
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## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- \* Small Entity Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
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17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No. _____
Prior application Information: Examiner _____		Group / Art Unit: _____	

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I hereby certify that the enclosed patent application and other documents relating to inventor(s) Kevin Remington Joseph Bartholomew Donovan are being deposited with the United States Postal Service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231.

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## UNIVERSAL INSTANT MESSAGING SYSTEM FOR THE INTERNET

### BACKGROUND OF THE INVENTION

#### 5 a. Field of Invention

This invention pertains to an apparatus for providing instant messaging (IM) on and through the Internet across various platforms. More particularly, the invention pertains to a system which allows individuals to exchange messages and files over the Internet substantially instantaneously across multiple and different protocols and systems.

10

#### b. Description of the Prior Art

Since the infancy of the Internet, various functions and protocols have been developed which allow users not only to view and gather a variety of information from Internet host computers, such as through Telnet, Gopher, FTP, and HTTP (the protocol for the World Wide Web), but also to exchange messages via e-mail services. One disadvantage of the latter is that the transmission time of any e-mail message is unpredictable and therefore it is difficult for two or more users to exchange messages instantaneously. In order to overcome this problem, software protocols and session managers (each, an IM platform) have been developed by service providers (SPs), whether they be an Internet or online general access provider such as America Online (AOL) or an portal instant messaging provider such as Yahoo! (Yahoo), which allow two users of an SP's IM platform to communicate with each other instantaneously provided both users are using the same IM platform. However, none of these existing systems allow a user to communicate with another user of a different SP's IM platform. Since there are millions of users all over the world who receive Internet services from different local providers based on price, characteristics of the services, personal preferences and other criteria, many users cannot take advantage of instant messaging if they do not utilize the same IM platform.

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### OBJECTIVES AND SUMMARY OF THE INVENTION

30 It is an objective of the present invention to provide a system that provides instant messaging between multiple IM platforms.

A further objective is to provide an instant messaging system that is capable of exchanging not only text files but also voice communication and other types of exchanges.

Yet a further objective is to provide a system in which a peer-to-peer connection is established between users thereby bypassing the SP.

Other objectives and advantages of the invention will become apparent from the following description of the invention.

5 Briefly, two users who are using different IM platforms (a user of an IM platform is said to be in that IM platform's realm) can participate in an instant messaging session as follows. Each user accesses the Internet via a PC. (The term PC is used for a desktop computer, a laptop computer, a palmtop computer, a Web TV device or any other similar device that can be used to access the Internet). The PC is provided with IM session manager  
10 software (an IM manager) which is used to establish and monitor each IM session including receiving and responding to commands from the user related to the instant messaging function and displaying information to the user related to the IM function. The IM session manager includes an internal database used to store the protocols for different realms. A PC is able to establish an instant messaging session with a user from another realm if its database includes  
15 the protocol for that realm.

In addition, an IM database is also provided. This database is used to register all the users who are interested in using IM and to store information for each user, such as his name, his Internet address, his realm, and so on. Importantly this IM database is also used to  
20 generate and maintain a list of all the registered users who are active, i.e., online, at any particular moment, together with each user's current IP address. Each time a registered user signs onto the Internet, his IM manager automatically sends the PC's current IP address so that the IM databases compile its list. When a user signs off the Internet, the list is again edited to show this change.

The IM database can be incorporated into the server of a SP or can be part of an  
25 independent server connected to the Internet. In the first implementation, the SP can control access to the IM function while in the second implementation, the IM function is open to all users.

Preferably, when a user accesses the Internet, a window is displayed on his screen showing an active friends list (i.e., the friends from his list who are online) which is a subset of



the active users in the IM database. That user can then initiate an instant messaging session with one or more friends on this list and exchange messages or other data.

#### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a simplified block diagram showing the interconnection between three users; FIG. 2 shows a block diagram of a system allowing universal instant messaging between two users;

FIG. 3 shows a flow chart illustrating the process used to establish the universal instant messaging connection in a closed network implementation of the subject universal instant messaging system;

FIG. 4 shows a flow chart illustrating a portion the process used to establish the universal instant messaging connection in an open Web implementation of the subject universal instant messaging system; and

FIG. 5 shows a typical window or windows displayed to a user while he is engaged in exchanging messages using the subject universal instant messaging system.

#### DETAILED DESCRIPTION OF THE SYSTEM

Referring first to Fig. 1, the purpose of the present invention is to allow an Internet user to communicate with multiple other Internet users instantaneously even if they are connected to the Internet through different SPs and/or belong to different domains or realms than the User. Of course, each user communicates with his or her SP by using a communication device such as a desktop computer, a laptop computer, a handheld computer, or similar computer device, which for the purposes of this invention will be referred to generically as a PC, it being understood that a PC is meant to cover any appropriate device suitable for this purpose.

In Fig. 1, three different users are shown who belong to different realms. More particularly, Bill is associated with Prodigy, Ted is associated with Yahoo and Rhoda is associated with AOL. Bill is connected to the Internet 12 by a SP 14 through his PC 10, which in his case is Prodigy. Ted with PC 16 is connected to the Internet 12 by a different SP 18 and through the SP 18 is connected a portal instant messaging SP provider 19 that in his case is

5 Yahoo. Rhoda is connected to the Internet 12 with her PC 20 by a third SP 22 that in her case is AOL. The present invention allows these three (or any other users having appropriate equipment/software) to be connected to each other by connections 24, 26, 28, which may be, for instance, peer-to-peer connections. These connections are established by an instant messaging SP 23. Once these connections are established, instant messaging sessions are generated to allow the users Bill, Ted and Rhoda to communicate to each other by exchanging text files, or by voice if their equipment is capable of this function. Individual instant messaging sessions may be generated between each pair of users, or alternatively conferencing may be allowed where three or more users can exchange messages during a single instant messaging session. Details of how the instant messaging sessions between users of different realms are established and how the system operates are provided below.

10 The instant messaging SP 23 includes an IM server 30, an IM database 31, an authorization database 29 used to identify each user connecting to the IM server 30 and to determine if the user should be allowed access, and a profile database 44 which contains characteristics of the users serviced by instant messaging SP 23. The IM SP 23 performs two functions. First, all users interested in using the IM service register with the IM SP 23. During this registration process, each user provides his name, Internet address and/or other information. Second, the IM SP 23 tracks all the registered users who are currently on the Internet. That is, IM database 31 includes a list of all current users presently on line, together with their IP address. If users Ted, Bill and Rhoda are on line at a particular time, their name is on this list. IM SP 23 and its databases and other components are shown in Fig. 1 as separate elements with a dedicated connection to the Internet (an open Web implementation). It should be understood, however, that these elements (except for database 29) might be incorporated into a standard SP, such as SP 14, as well, and in this case access to the IM service may be limited to the users of that particular SP (a closed network implementation).

25 Each user generates a list of users (who must also be registered) that he can contact if he and the other users are on line at the same time. For the sake of simplicity this list is referred to as a list of friends. The list of friends may be divided into several categories using any combination of criteria such as business, social or personal connections, geographic locations, realms, and so on. As described in more detail, an active friends list is generated

from a user's list of friends which consists of all the friends who are on line at that particular instant.

Referring now to Fig. 2, typically, PC 10 includes several components which enable it to connect to the SP 14 and perform standard Internet functions, including dial-up networking (DUN) 32, and an instant messaging (IM) session manager 34 and a database 36 which contains a plurality of protocols used by various SPs or realms, e.g., Yahoo, AOL, etc. which are available for the instant messaging function. The PC 10 is also provided with a screen 11 used to present various text and images to the user and a selector such as a keyboard, a mouse, or other input device 13 on which the user enters commands and information in the usual manner.

The PC 10 communicates with its SP 14 through a communication port 38 that may be standard telephone modem, or any other equivalent device. The SP 14 includes a system server 46, and a radius database 42 which cooperate to provide a standard Internet service to Bill. In the open Web implementation as shown in Fig. 1, the PC 10 communicates directly with the service provider 14, and through the SP 14 communicates with the instant messaging SP 23 via the Internet 12.

In the closed network implementation, the SP 14 further includes the IM server 30 which performs the data processing required for instant messaging, and the IM database 31. The function of the authorization database 29 is performed by another component such as RADIUS data base 42 used to identify each user connecting to SP 14 and to determine if the user should be allowed access. The profile database 44 which contains characteristics of the users serviced by SP 14 is also incorporated into the SP 14.

The operation of the system 10 is now described for the closed network implementation, in conjunction with Fig. 3.

In step 100 Bill issues a command to his PC 10 to establish a connection to the Internet 12. In response, in step 102 the PC 10 activates the DUN component 32 that attempts to connect to the SP 14 using a standard protocol such as PPP. In order to gain access, the DUN component 32 sends the user's ID and password to the SP 14's authorization database 42 (step 104). The authorization database 42 checks if Bill is a current and valid user of the SP

and verifies the user ID and password. If the user ID and password are correct and Bill's account is active, the DUN connection is verified and Bill will have access through the SP 14 (step 106). If for any reason Bill's status is unacceptable, access to the SP 14 and, through the SP 14, to the IM server 30 is refused.

5 If Bill is granted access through the SP 14, the IM database 42 provides a user ID to the IM server 30 together with his current IP address (step 107). In step 108, Bill launches the IM manager 34, which must be launched in order to create a direct connection to the IM server 30.

10 During step 109 the IM manager 34 on Bill's PC contacts the IM server 30 to indicate that Bill is on-line and registered for IM functionality. The server 30 then adds Bill's user ID to the list of active IM users (i.e., users who are currently online). The IM server 30 will also notify the IM managers of users who have added Bill to their own friends list and who are online at this time that Bill has established an active connection to the IM server 30.

15 During step 110 the IM server 30 returns to Bill's IM manager 34 Bill's profile from database 44. This profile includes Bill's 'persona' information such as his Internet name and address, various preferences and other data such as his list of friends generated previously by Bill, as discussed above. The IM server will also send to the IM manager 34 an active list of which users on Bill's friends list are currently online, and the IM manager 34 will indicate all such users in Bill's active list as being online. Alternatively, the IM server 30 may collate a cross-referencing table indicating which of the users are on other users' friends list. In this manner, when IM server 30 receives a message that Bill is signing on, the server 30 can check all active users and generate Bill's active list from the table.

20 When the PC 10 receives this information, in step 112 the IM manager 34 displays a window indicating Bill's active friends list. In the closed network configuration, the PC 10 may also display a standard welcome screen that is generally characteristic of the SP 14. For example, as shown in Fig. 5, such a window 50 may include a column 52 for the name of each friend in the user's friends list, with a second column 54 with an indication of each friend's realm. The column 52 may indicate in some fashion which of the people listed in the friends list are currently active, i.e., online. In Fig. 5, the window 50 indicates that a person appearing in



the column 52 containing that user's friends list is active by placing that person's name in **boldface** and lower case.

The window 50 may also provide additional columns showing other information. In Fig. 5, the window 50 shows a column 56 indicating whether or not each active friend is capable of using some specific Internet function such as an Internet telephone. In the example shown in Fig. 5, Ted and Bob have this capability while Rhoda does not. Finally, window 50 may have a separate area 58 dedicated for messages, or a message area 58 may exist in a separate window. In the preferred embodiment, the window 50 is displayed automatically together with the welcome screen and can be turned off or made dormant (e.g., minimized on the screen) by Bill at will.

Once the welcome screen is displayed, Bill can communicate with any of his friends from the active list shown in window 50 through the message area 58. As mentioned above, prior to the present invention, instant messaging was available only between users of the same realm or SP. However, in the present system instant messaging is available even though Bill and Ted are users in different realms.

In order to initiate an instant message, in step 114, Bill clicks on Ted's name in window 50. In response, in step 116 the IM manager 34 obtains the protocol for Ted's realm (in this case Yahoo, a portal instant messaging service provider). In step 118, the IM manager 34 retrieves the foreign realm protocol from database 36.

In step 120 the IM manager 34 sends a message to SP 18 using Ted's current IP address obtained from IM server 30 requesting a connection with Ted's IM manager. Depending on SP 18, this message may result in the SP 18 displaying to Ted a window indicating that Bill wants to contact him via the IM system. In this case, in step 122 Ted is given the choice of either accepting the connection request or declining it. If Ted declines the connection request, then in step 124 a message is sent back by SP 18 to Bill that Ted has declined the connection request. As part of step 120, in order to access a foreign realm such as Yahoo, Bill may need to supply a user ID and password for that realm during the process by which the IM manager 34 establishes a peer-to-peer connection with that realm. The IM manager 34 may include the ability to store such user IDs and passwords for each foreign

realm for which a protocol is stored in database 36 so that the user will not be prompted to enter them each time that user wishes to communicate with a user in another realm.

If in step 122 Ted accepts the connection request or if the SP 18 did not require that a message be sent to Ted, thereby skipping step 122, then in step 126 server 18 sends a message to Bill indicating Ted's current IP address. If necessary, this preliminary exchange may include an encryption key to allow the communications between Ted and Bill to be encrypted using any standard security protocol. As indicated above, the process can be performed without actually requiring Ted to expressly accept the contact request, in which case step 126 follows step 120 directly.

In step 126, the IM manager 34 then can set up a direct connection 24 between Ted and Bill. This connection may be a peer-to-peer connection, and is termed a 'direct' connection to indicate that. Although messages exchanged through this connection are still sent over the Internet, they are transparent to and are not seen by the servers 14 or 18.

In step 128 the IM manager 34 determines if a direct or peer-to-peer connection between Bill and Ted's PCs is available. If it is then the peer-to-peer connection 24 is established in step 130 and Bill and Ted can send each other text messages, they can talk to each other via the telephone (using for instance streamlining) and can exchange files with images, video- and sound-clips, documents, and so on. If a peer-to-peer connection is not available, then in step 132 a relay connection is established between the servers of SPs 14 and 18 to allow the users to exchange messages.

The flow chart of Fig. 4 with steps 200-208 describes the initial phase for the open Web implementation of Fig. 1. In step 200 Bill issues a command to his PC 10 to establish a connection to the Internet 12. In response, in step 202 the PC 10 activates the DUN component 32 that attempts to connect to the SP 14 using a standard protocol such as PPP. In order to gain access, the DUN component 32 sends the user's ID and password to the SP 14's authorization database 42 (step 204). The authorization database 42 checks if Bill is a current and valid user of the SP and verifies the user ID and password. If the user ID and password are correct and Bill's account is active, the DUN connection is verified and Bill will have access to the Internet 12 through the SP 14. If for any reason Bill's status is unacceptable, access to the Internet 12 through the SP 14 is refused.

If Bill's is granted access to the Internet 12 through the SP 14, in step 206 Bill launches the IM manager 34 and enters his user ID and password for the instant messaging SP 23 into the IM manager 34. In order to gain access to the instant messaging SP 23, in step 207 the IM manager 34 sends the user's system server ID and password to the IM server 30's authorization database 29 via the Internet 12 (step 208). The authorization database 29 verifies the user's system server ID and password. If the user's system server ID and password are correct, the connection to the IM server 30 is verified and Bill will have access to the IM server 30 via the Internet 12. If for any reason Bill's status is unacceptable, the access to the IM server 30 is refused.

The remainder of the operation of the open Web implementation of the system is identical to the closed network implementation described above, continuing with step 109.

As mentioned above, when he is in contact with Ted, Bill sees in message area 58 the messages he sent to Ted and the messages sent back by Ted to Bill as part of the instant messaging process. Message area 58 may be part of window 50 or may exist in a separate window.

Each time a friend of Bill's gets on or signs off of that friend's SP, the IM server 30 is notified and in turn updates the active friends list for each corresponding user and sends a message to SP 14 to update Bill's active friend list as well. Therefore, while he is exchanging messages with Ted, Bill is aware of his other active friends, Rhoda and Bob, and they are aware that he is active as well. At any time, Bill can ask for contact with his other friends, and his friends can initiate a contact with Bill. In this manner, Bill can participate in several IM exchanges at once. In Fig. 1 Bill can exchange instant messages with Ted and Rhoda, and Ted and Rhoda can exchange messages with Bill. When Bill talks to Ted, their messages appear in the message area 58. If Bill wants to talk to Rhoda, he clicks on her name and communication is established between them.

When Bill is talking to Ted, their conversation appears in message area 58 for Ted. If he starts talking to Rhoda, the messages to and from Ted disappear from message area 58 and are replaced by messages exchanged with Rhoda.

If he desires, he can also add a friend to the exchange with Ted, for example by right-clicking on Rhoda's name to generate a three-way conference exchange. In this instance the messages to and from each of the three participants appear in area 58. While two or three-way message exchanges take place, if any other friend wants to establish contact with Bill, he or she sends a message as described above, and his or her name changes color on window 50 to indicate the same.

Similarly, if Bill is performing some tasks on the Internet and has closed window 50, a friend can still initiate a request for contact and a message or a window is presented to Bill to indicate this event.

Obviously numerous modifications may be made to this invention without departing from its scope as defined in the appended claims.



I claim:

1. In a distributed communication system in which a plurality of users associated with different realms access the Internet via a corresponding PC through a service provider, a device for providing instant messaging between the users, said device comprising:

an IM manager associated with the PC of a first user and arranged to obtain a foreign protocol for communicating with another realm; and

an IM server including an IM database with a listing of users currently connected to the Internet, each having a unique identifier;

said IM manager being further arranged to receive the unique identifier of a particular user associated with said another realm from said IM server and to establish connection to said other user using said foreign protocol.

2. The device of claim 1 further comprising a local database arranged to store a plurality of foreign protocols, each protocol being associated with a corresponding different realm.

3. The device of claim 1 wherein said IM server is arranged and constructed to connect to the Internet and to receive and transmit information to and from said IM manager via the Internet.

4. The device of claim 1 wherein said IM database is arranged to store information related to all said users.

5. The device of claim 1 further comprising a display arranged to show a list of current friends of a user and a selector operated by said user to select a friend from said list to establish communication.

6. A system for establishing instant messaging between a first user associated with a first realm and a second user associated with a second realm over the Internet, said system comprising:

a first and a second PC for operation by said first and second users respectively, each PC including a screen to display information, a selector or other input device for giving and receiving commands and selections, a communication port arranged to communicate with other users over the Internet, and an IM component arranged to establish IM sessions during which said first and second users can exchange one of instant messages and other information over the Internet, said IM component including means for receiving a request for an IM session and means for generating a request for said IM session; said IM component including an IM database storing a protocol for the other realm; and

an IM database arranged to store a list of users registered to access instant messaging and being currently active together with their current IP address;

wherein said IM component is arranged to receive a command from said first user to establish said IM session with said second user and in response to said request said IM component is arranged to obtain the current IP address of said second user and to send an access request to said second user based on said IP address and said protocol and to establish said IM session if said access is accepted.

7. The system of claim 6 wherein said users are arranged to communicate over the Internet by different SPs wherein said IM database is incorporated into one of said SPs.

8. The system of claim 6 further comprising an IM service provider wherein said IM database is incorporated into said IM service provider.

9. The system of claim 6 wherein said IM database is arranged to store a list of all users registered to access instant messaging.

10. The system of claim 6 wherein each said is arranged to display a window on said screen, said window identifying a list of friends of the corresponding user, said friends being currently on line.

11. The system of claim 10 wherein said PC is adapted to display a message area in one of said window and a separate window.

12. The system of claim 11 wherein said PC is adapted to receive commands from the respective user to establish a first IM session between said first user and said second user and a second IM session between said first user and a third user, said third user being identified in said window.

13. The system of claim 13 wherein said PC is adapted to allow said first user to switch between said first IM session and said second session, said first and second IM sessions being active simultaneously.

14. The system of claim 13 wherein said PC is adapted to display in said message area messages with said second user during said first IM session and messages with said third user during said second IM session.

15. The system of claim 10 wherein said PC is adapted to show characteristics of said friends.

16. A method of conducting an instant messaging session between a first user and a second user over the Internet, the users being associated with two different realms, each realm being accessible via the Internet using a protocol characteristic to the realm, each user getting access to the Internet via a corresponding PC, at least one PC having a storage media for storing the characteristic protocol of the other realm, the method comprising the steps of:

determining a current IP address of the second user; and

establishing a connection from said first and second users using said current IP address and said characteristic protocol.

17. The method of claim 16 wherein each time one of said first and second users access the Internet, the corresponding PC sends a message to an IM database indicating that the corresponding user is on line and said current IP address.

18. The method of claim 17 wherein said step of determining said current IP address comprises retrieving said address from said IM database.

19. The method of claim 17 further comprising sending a connection request from the first to the second PC for establishing said instant message session.

20. The method of claim 19 further comprising generating a response to said connection request by said second PC accepting said connection request.

21. The method of claim 16 wherein said step establishing said connection comprises establishing a peer-to-peer connection.

22. The method of claim 16 further comprising displaying a window on the screen of said PCs, said window indicating a list of active users.

23. The method of claim 22 further comprising displaying said window with a message area, said message area being used to indicate messages between said users.



## ABSTRACT OF THE INVENTION

Two or more users with PCs or similar devices to access the Internet may establish a connection between each other for instant messaging, even when the users are associated with different realms. For this purpose, the PCs are provided with an IM manager which oversees the instant messaging sessions. In addition, an IM server is provided associated either with a particular SP (service provider), or alternatively, having its own PS. The IM server is used to keep track of all the active users that have registered for the IM service and their corresponding current IP address. The IM manager includes a database which stores protocols of foreign realms. When a user requests an instant messaging session, his PC establishes the connection to the other user based on the protocol of the other user's realm and the other user's current IP address indicated by the IM database.

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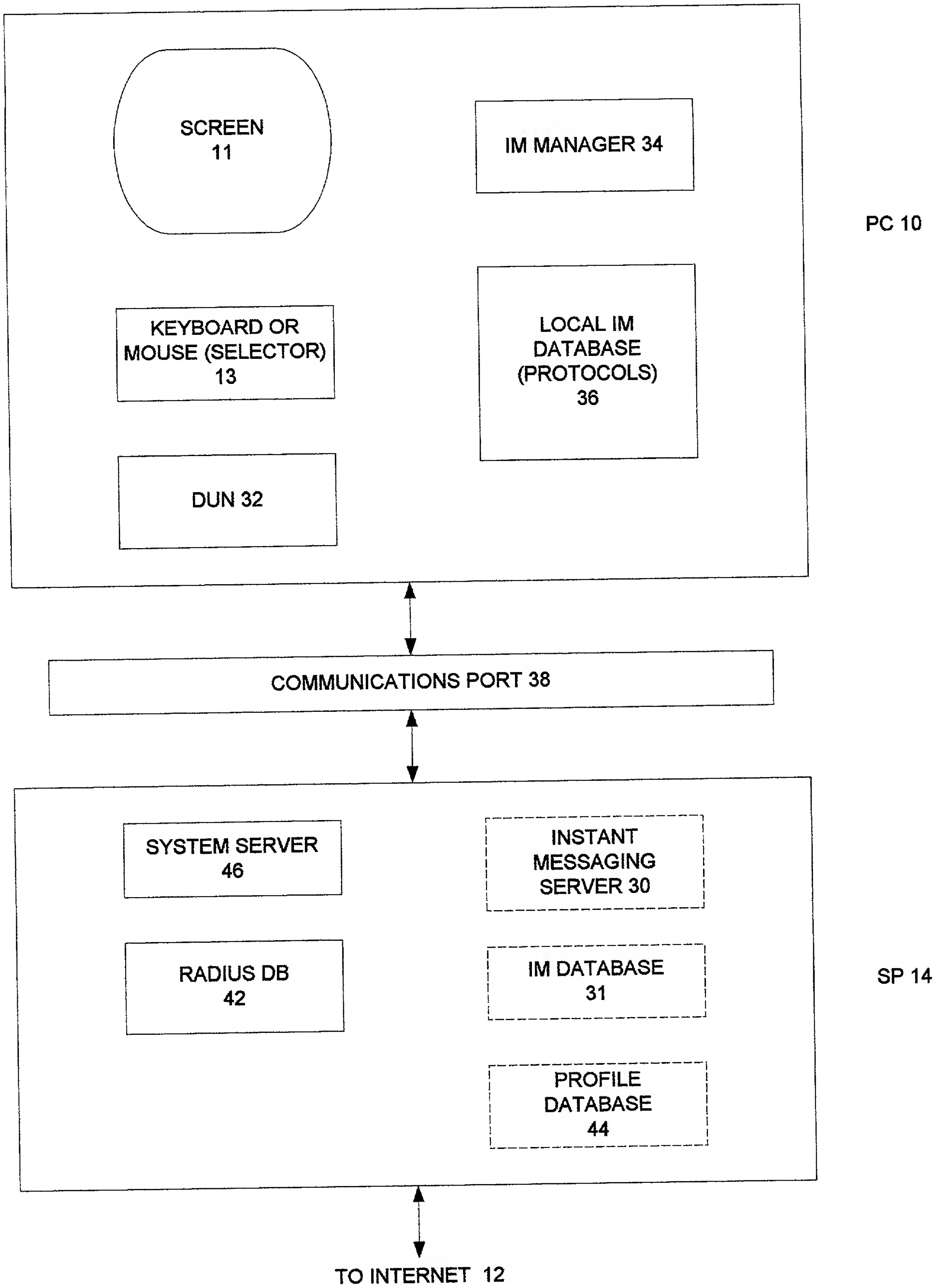
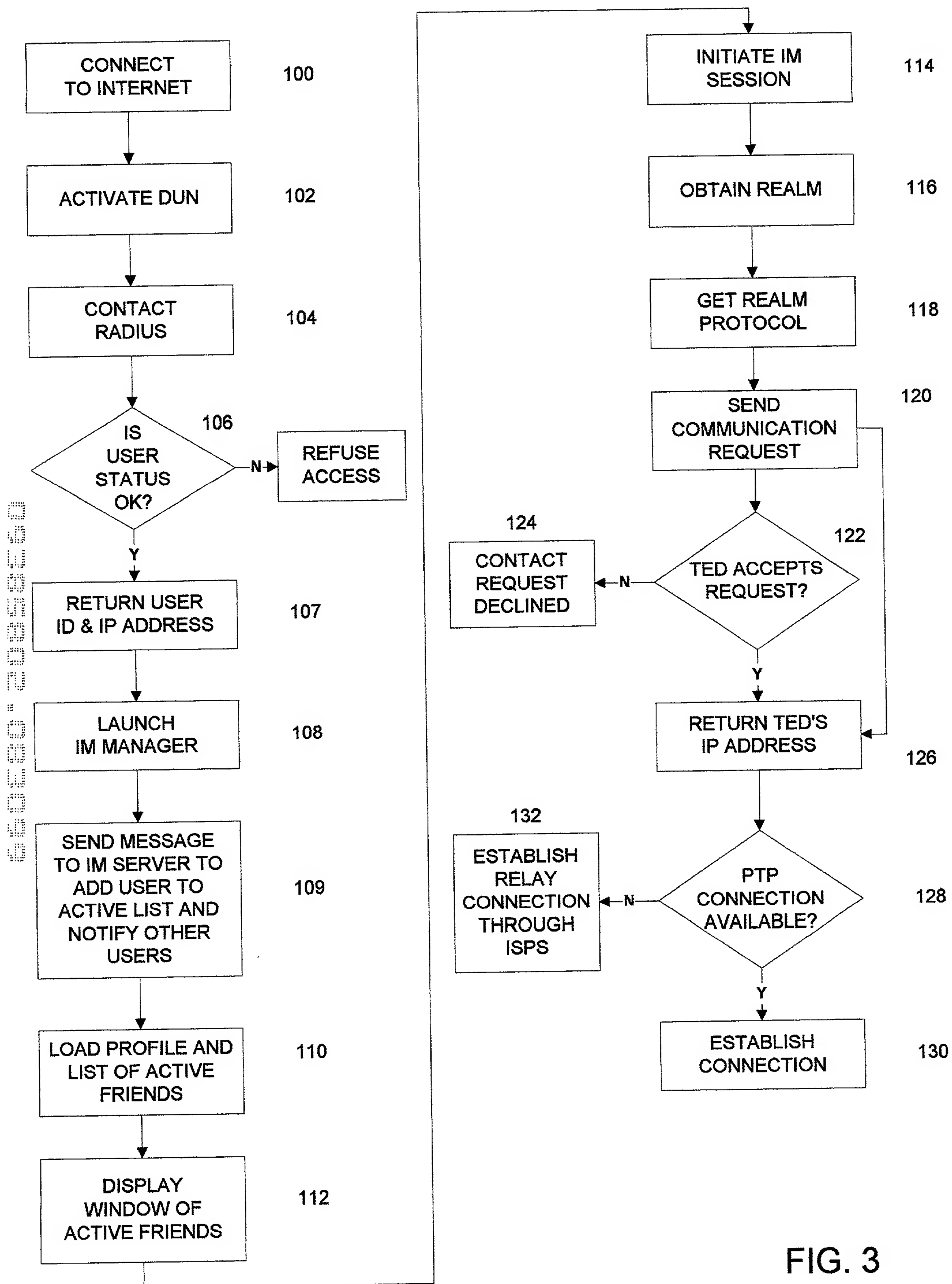


FIG. 2





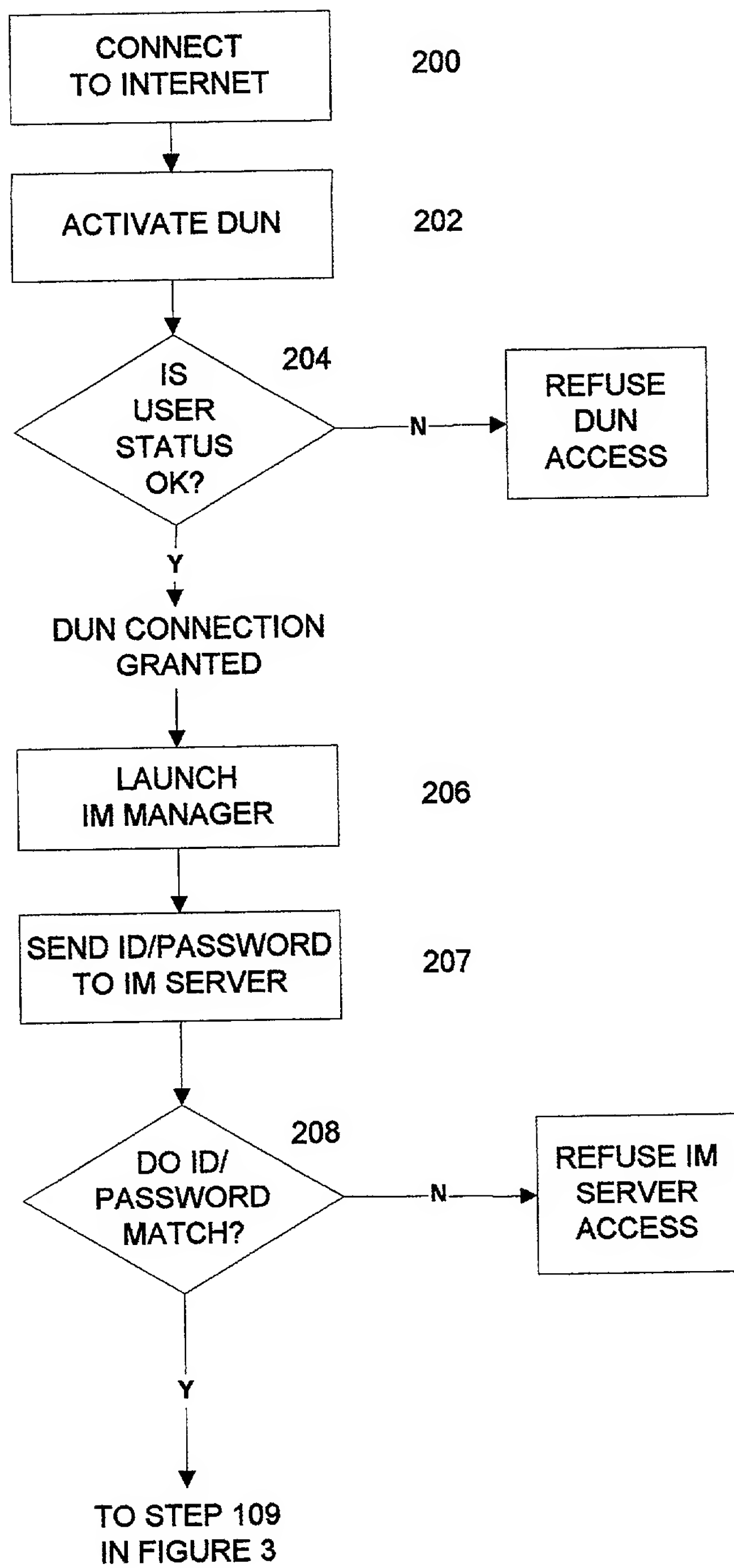


FIG. 4



# Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled UNIVERSAL INSTANT MESSAGING SYSTEM FOR THE INTERNET

the specification of which

(check one) ☒ is attached hereto. ☐ was filed on \_\_\_\_\_, as United States Application Serial No. or PCT International Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority claimed

(Number)	(Country)	Day/month/year filed	Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below

(Application No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing date)	(Status - patented, pending, abandoned)

And I hereby appoint	George Gottlieb (Reg.No. 22,035)	Amy B. Goldsmith (Reg. No. 33,700)
	Michael I. Rackman (Reg.No. 20,639)	Norbert P. Holler (Reg. No. 17,816)
	James Reisman (Reg.No. 22,007)	Tiberiu Weisz (Reg. 29,876)
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	David S. Kashman (Reg.No. 28,725)	Maria A. Savio (Reg. No. 31,565)
	Allen I. Rubenstein (Reg.No. 27,673)	

whose address is c/o Gottlieb, Rackman & Reisman, P.C., 270 Madison Avenue, New York NY 10016 (telephone (212) 684-3900), jointly and severally, as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct all correspondence and telephone calls to: Tiberiu Weisz, Esq. at the address and telephone number shown above.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of third joint inventor, if any \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_  
Residence \_\_\_\_\_  
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